

CLASSIFICATION

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INFORMATION REPORT

CD NO.

25X1A

COUNTRY USSR (Gorki Oblast)

DATE DISTR. 11 Mar 1952

25X1 SUBJECT Stroi Chemical Plant [redacted] in Dzerzhinsk-Igumnovo

NO. OF PAGES 2

25X1C

NO. OF ENCLS. 2@
(LISTED BELOW)

25X1X

SUPPLEMENT TO
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE

EVALUATED INFORMATION

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1. Location: Just south of the Igumnovo (43°38' E/
56°14' N), Gorki Oblast, railroad station.

2. plant installations: The old [redacted]
plant which, according to Sov
under construction until 1936
many workshops were construct
for Object 33, the dismantled
from Leuna. The department b
but as the machinery was heavily damaged, cut and

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[redacted]
A Dr.
Bitterfeld
since 1946.
manager of
plied electri-
scaled, regu-
tallation.

working three
noxious vapors

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which worked for

4. Production: Hydrochloric acid, sulphurous acid, sodium, chlorine, artificial resin, alcohol, spirit, gasoline (including aviation gasoline), oil and an unidentified acid were observed. The output was not determined.
5. Plant installations: Essential enlargements have been constructed since 1945, mostly by PWs. See Annex 2 and legend.
6. Work force: An estimated 10,000 Soviets; 1,800 to 2,000 PWs and 100 Rumanians on constructions.
7. Production: exact data were not obtained; it was only known that gasmasks were worn in some workshops. A pipe break in 1946 caused serious yellowcress injuries to several PWs, who were ordered in writing to keep their injuries a secret. The injuries were still to be seen in 1948.

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comment. This report gives new details on chemical plant especially on the new buildings constructed prior to 1948 (Annex 2). Because of the great number of plant buildings an exact reproduction of the plant layout hardly seems possible. Annex 1 is forwarded because its legend contains details which could be used for a final economic evaluation of the plant.

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2 Annexes: (1)

1 Plant
Igumnovo

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Attachment 1

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Legend to Annex 1

- 1 Club house and motion picture theater with library and drawing rooms
- 2 Fire department
- 3 Store No 3, Hungarian PW camp until mid-1947
- 4 Technical school for plant apprentices
- 5 main entrance with identity cards registration, militia quarters and jail, 60x20 meters
- 6 Guard house with plant police, 50x50 meters
- 7 main entrance
- 8 soda manufactory, 120x40 meters, with drying furnaces, drums and containers
- 9 Department No 22, 120x40 meters, unloading shop and storage for salt, with standard and narrow gauge railroad connections.
- 10 Department No 9/20, 100x40 meters, salt dissolving shop, with furnaces and large containers.
- 11 Department No 4, 100x50 meters, production of hydrochloric acid
- 12 Large transformer station, 50x20 meters
- 13 Electric department, repair shop for electric motors, switch boards and wires, 80x20 meters
- 14 Lathe shop, 100x50 meters) production of vacuum
- 15 Foundry, 100x50 meters) pumps, measuring instruments, valves, regulators and other articles for the plant
- 16 Railroad repair shop
- 17 Sawmill and carpenter
- 18 Mechanical workshop, production of liquid and acid measuring instruments
- 19 Acid department, 100x50 meters
- 20 Department No 8, acid department, 100x50 meters
- 21 Mercury storage, 150x40 meters, with several subdivided sheds, storage of mercury compounds, allegedly also ammunition depot
- 22 First-aid station
- 23 Sulphur department, manufacture of sulphurous acid, 80x30 meters

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Attachment I

- 24 Gasmasks storage
- 25 Laboratory and steam distribut

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- 30 Hydrochloric acid manufactory. The rooms are
panelled with lead and chrome nickel steel.
To prevent short circuits the rooms were
illuminated through the windows by outside
lamps. Work was done with gasmasks and
warning plates indicated fire danger.
- 31 Fenced in area, 400x200 meters, with one
large building which brick layers, plum-
bers and pipe layers recently completely
overhauled. Only Soviets worked here;
alleged production of chemical warfare
agents.
- 32 Central laboratory, 100x30 meters, three-
story building
- a. I
- 33 Wor
- 34 Dep meters, with pul-
ver duced white powder
is ial resin department.
35 Dep sing of natrium and
hydrochloric acid

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Attachment 1

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- 39 Central magazine, including storages for
carbide, asbestos, and automobile tires
- 40 Main administration, five-story building,
100x30 meters
- 41 Department No 2, separated chemical plant,
allegedly part of a Moscow chemical plant.
- 42 Building with salt furnaces, 100x30 meters
- 43 Department No 11, production of highly
evaporative hydrochloric acid, gasmasks
were worn
- 44 Korpus No 6, 80x40 meters, with lead and
chrome nickel steel plate panelling. A
solution of hydrochloric acid is treated
in electric bathes. The department has
many stone vats.
- 45 Sodium department, 100x50 meters, with fur-
naces, containers and electric bathes. Pro-
duct was called sodium by the Soviets.
- 46 Transformer station of department No 11
- 47 Guard house, quarters of gas tank guards
- 48 Five gas tanks, 10 meters high and 20 me-
ters in diameter, storage and pressure
control of the produced gas
- 49 Object No 605, compressor station, 80x30
meters
- 50 Mixing installation, new building, mixing
of various types of acids
- 51 Object No 606, filtering installation,
100x30 meters
- 52 Boiler house, 60x20 meters
- 53 Transformer station
- 54 Object No 609, 100x100 meters, six stories
- 55 Object No 613, 80x30 meters
- 56 Repair shop, 50x20 meters
- 57 Object No 612, 100x80x36 meters
- 58 Object No 615, 60x20 meters
- 59 Object No 614, compressor installation
- 60 Object No 355, laboratory, 100x30 meters

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Attachment 1

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- 61 Water works, 60x40 meters with pumps and high, concreted containers.
- 62 Workshops, (plumber shop, tinner shop, pipe forge and technical office) L-shaped building with 50-meter-long wings
- 63 Dispensary and first-aid station, specialized for treating burns
- 64 [REDACTED] 30 meters, production of piston s which were seen corroded by
- 65 [REDACTED] containers, 40x20 meters. The acid produced in No 68 was filled into tank cars for
- 66 [REDACTED] tallation
- 67 [REDACTED] shall for plant employees
- 68 [REDACTED] acid house, 120x40 meters
- 69 Production shop of aviation gasoline, 100x40 meters. Work was done with gasmasks. The semi-finished product (gasoline of octane number 90) was shipped to the Java plant.
- 70 Laboratory, department 1, experimental station for the improvement of aviation gasoline
- 71 Eighteen gasoline containers, each 8 to 10 meters high and 8 meters in diameter, with three types of gasoline
- 72 Filling station with railroad connection and pipe lines to the various tanks and to a large concrete container
- 73 Guard quarters
- 74 Guard house
- 75 Laboratory, 40x20 meters
- 76 Gas generating installation, 200x80 meters, with petroleum gasifying furnaces
- 77 Coke plant with ten large furnaces

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Attachment 1

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- section to the pier on the Oka River
- 79 Six tar containers, 8 meters high, 8 meters in diameter, with residues from 76.
 - 80 Gasoline generating plant, 35x20 meters
 - 81 Eight petroleum containers, each 8½ meters high and 34 meters in diameter, with pipe-line connection to the pier on the Oka River

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Attachment 2

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Legend to Annex 2

- 1 Two gas holders, 18 to 20 meters high, 10 to 12 meters in diameter
- 2 Gasoline tanks in various sizes, some with a concrete lining
- 3 Bunker
- 4 Pump station with many railroad branches and pipe unions. It was not known whether the tank cars were filled or emptied
- 5 Guard house
- 6 Large container units, rather new building, 60x15x20 meters, with three horizontal containers and two steel smokestacks 20 meters high
- 7 One large and several small tanks, presumably storage of tar derivatives, specially fenced in, 80x40 meters
- 8 Old building, so-called battery, 20x15x10 meters
- 9 Container installation with many cables and pipe lines difficult to survey, 35x20x15 meters, strong petroleum odor
- 10 Older well preserved building, 80x25x10 meters, so-called factory, with five or six sheet-metal smokestacks, 20 meters high, production unknown. Two or three thick pipe lines lead to the north; 200 to 300 meters are several meters overhead and the rest underground
- 11 So-called station, cable and pipe connection to the factory (10)
- 12 Two workshops of the gas plant, each 40x20x12 meters, pipe
Here a pipe
injuries in
ture simila
times a day
pieces, abo
meter, repe
ern shop.
rubber coats.

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Attachment 2

- 13 Rumanian shop, 50x30x15 meters, said to be constructed by Rumanians in 1948. Lead bars, 30x12x12 cm, were piled beside the railroad tracks south of the building. A truck with two large, heavy tanks left the building for another plant several times a day
- 14 Two gas holders, 10 meters in diameter and 15 meters high
- 15 Korpus 611, 60x20x15 meters, steel structure with brickwork and flat concrete roof, not equipped in March 1949
- 16 Skyscraper, No 2, 30x30x30 meters, under construction, planned to be 45 meters high
- 17 Skyscraper No 1, 30x30x45 meters, steel structure with brickwork. The inside of the building was lined with white tiles during the winter of 1948/1949. The southern half of the building had six narrow high boilers. Boilers and pipes had an inside lead coating. The building was not in operation in March 1949.
- 18 Korpus 604, 40x25x20 meters, compressor house with two compressors, 5 to 6 meters long and 3 1/2 meters high
- 19 Presumably department No 609
- 20 Cable canals
- 21 New workshop, 50x30x15 meters, without roof
- 22 Leuna plant, 45x25x20 meters, in operation since the summer of 1948. The building has three 15-meter high superstructures with strong pipe lines. The machinery arrived with 35 drafted German engineers from Merseburg.
- 23 Administration (could also be located south of the road)

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Attachment 2

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25 Unidentified plant installations
Hydrochloric acid plant, 60x40 meters,
work was done with gasmasks. Many large
wicker bottles of approximately 100
liters capacity were stored in front of
the building
26 Saw mill
27 Coal dust dumps

The shaded buildings were new.

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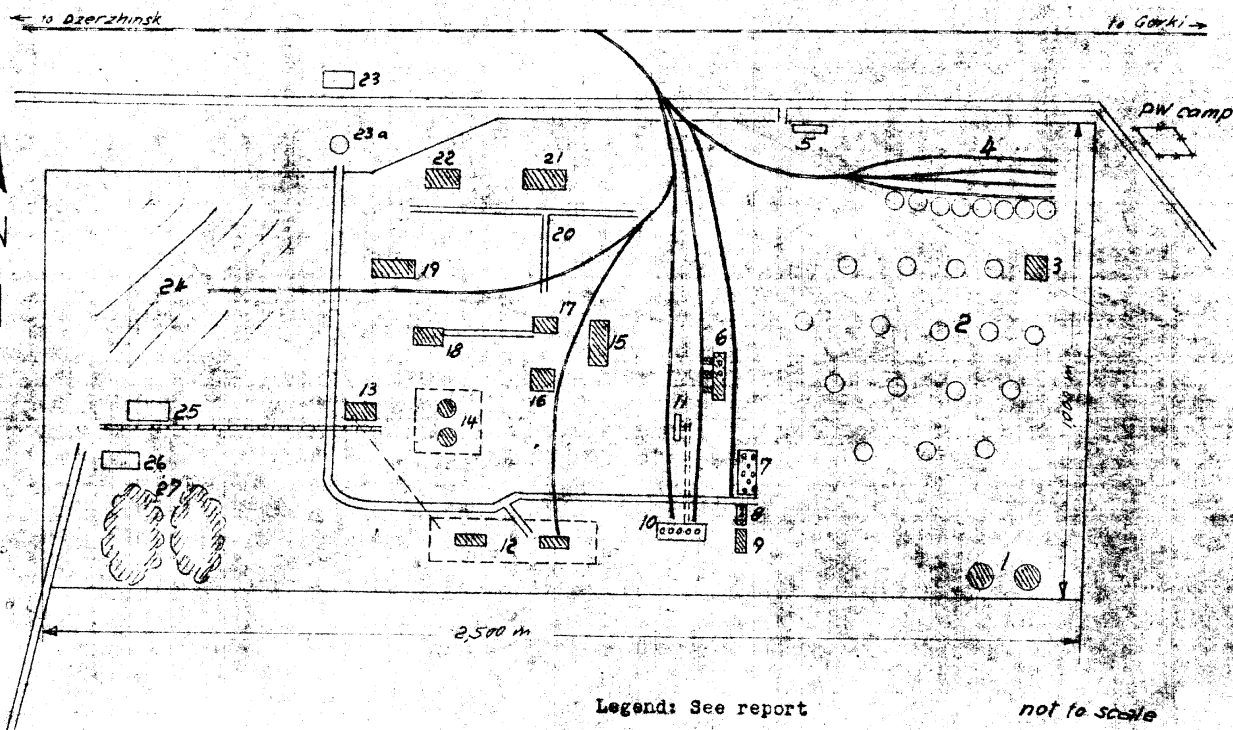
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Sstroy Chemical Plant [redacted] in Dzerzhinsk-Igumnovo



Legend: See report

not to scale

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